

Title (en)

INTEGRATED COMPRESSED GAS TRANSPORT REFRIGERATION UNIT FOR COMPRESSED GAS FUELED VEHICLES

Title (de)

INTEGRIERTE DRUCKGASTRANSPORTKÜHLEINHEIT FÜR DRUCKGASBETRIEBENE FAHRZEUGE

Title (fr)

UNITÉ DE RÉFRIGÉRATION DE TRANSPORT DE GAZ COMPRIMÉ INTÉGRÉE POUR VÉHICULES ALIMENTÉS EN GAZ COMPRIMÉ

Publication

EP 3452315 B1 20220112 (EN)

Application

EP 17723212 A 20170502

Priority

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- US 2017030615 W 20170502

Abstract (en)

[origin: WO2017192570A1] A transport refrigeration system comprises a vehicle having a refrigerated cargo space; a compressed gas tank configured to store gas; an engine configured to power the vehicle through combustion of the gas; and a pressure reducing mechanism fluidly connecting the compressed gas tank and the engine. The pressure reducing mechanism configured to reduce the pressure of the gas from the compressed gas tank. The transport refrigeration system also comprises an evaporator thermally coupled to the pressure reducing mechanism and the refrigerated cargo space. The evaporator is configured to cool the refrigerated cargo space. A temperature of the gas and a temperature of the evaporator are reduced as a result of the reduction in pressure of the gas by the pressure reducing mechanism.

IPC 8 full level

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CPC (source: EP US)

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